

**Vargas, Rodney**

**From:** Vargas, Rodney  
**Sent:** Wednesday, February 19, 2014 2:07 PM  
**To:** Vargas, Rodney  
**Subject:** FW: Rico - Supperfund Records Center: Request to Modify Permanent Drying Facility Final Design Schedule - Rico-Argentine Mine Site - Follow Up Call

---

**From:** Brown, Anthony R (RM) [<mailto:anthony.brown@bp.com>]  
**Sent:** Tuesday, February 04, 2014 8:10 AM  
**To:** Way, Steven; Kreutz, Tom (AECOM - ENSR)  
**Subject:** RE: Request to Modify Permanent Drying Facility Final Design Schedule - Rico-Argentine Mine Site - Follow Up Call

Steve, Tom and myself look forward to talking with you tomorrow 0800 MT (Tom is the AR schedule tracker and keeper). Call in number (866) 634-1110 and the passcode 428 125 9713. We have some draft input proposed for discussion (see below and the attachment). Talk to you soon. Tony...

Provided below is a summary of our recommended edits.

- Identification of tasks which have been completed.
- Task B2 – Permanent Drying Facility Design. Request that this date be modified from January 31, 2014, to April 30, 2015. As requested in our letter to you dated January 27, 2014, the Permanent Drying Facility Design will be affected by the water treatment technology selected for the site. Therefore, we are requesting to have the drying facility design date after the water treatment technology selection date and consistent with the treatment system design date.
- Task E2 – Additional Blaine Rehab Work. Updated date from October 31, 2013, to October 31, 2014, to accommodate another small round of Blaine adit rehabilitation work during the summer of 2014. The details of this work can be discussed with Allen Sorenson in February.
- Task E4 – Mine Water Source Controls - Design and Construction. Based on the results of Task E3 – Evaluation of Hydraulic Controls Alternatives, no design and construction associated with source control is recommended at this time.
- Task F – Water Treatment System Analysis and Design. The proposed UAO schedule modification (selected delivery dates are not reflected in the attachment yet) will allow some data collected during the wetland demonstration to be included in Task F3 – 30-Percent / Conceptual Design Report and Task F4 – Final Design and Construction – Water Treatment Facility Final Design. Atlantic Richfield prefers that one year of data be collected from the wetland demonstration during seasonal variations in climate, temperature, water quantity, and water quality prior to full-scale design for the following reasons:
  - o Determine system and component performance during seasonal variations.
  - o Evaluate performance of the biotreatment cell (vertical flow wetland) in comparison to the horizontal subsurface flow wetland during seasonal variations. Strengths of each system could be incorporated into a full-scale system, resulting in a robust hybrid treatment system.
  - o Allow the treatment systems to mature so changes in hydraulic conductivity, sludge accumulation, and operational issues may be identified prior to full-scale system design.
- Task F2 – Treatment System Conceptual Designs and Additional Investigations. The Technology(s) Selection Report will document the Treatment Alternatives Decision Point. Request that the schedule for the Technology(s) Selection Report be modified to January 30, 2015, to match the schedule for the Treatment Alternatives Decision Point.
- Task F4 – Final Design and Construction of the Flood Dike and Pond Embankments Improvements, Construction Start. Request that the construction start date be changed from June 1, 2015 to June 30, 2015 to be consistent with the treatment system construction start date.

---

**From:** Way, Steven [<mailto:way.steven@epa.gov>]

**Sent:** Tuesday, February 04, 2014 6:50 AM

**To:** Brown, Anthony R (RM)

**Subject:** RE: Request to Modify Permanent Drying Facility Final Design Schedule - Rico-Argentine Mine Site - Follow Up Call

Tony,

Wed, 8 or 10 AM MST work and anytime Thursday before 3 PM.

Steve

Federal On-Scene Coordinator  
Emergency Response Program (8EPR-ER)  
US EPA Region 8  
1595 Wynkoop Street  
Denver, CO 80202-1129

Office: 303-312-6723

---

**From:** Brown, Anthony R (RM) [<mailto:anthony.brown@bp.com>]

**Sent:** Monday, February 03, 2014 6:24 PM

**To:** Way, Steven

**Cc:** Piggott, Amelia; Christner, Jan; Kreutz, Tom (AECOM - ENSR)

**Subject:** RE: Request to Modify Permanent Drying Facility Final Design Schedule - Rico-Argentine Mine Site

Steve, thanks for the note and able to discuss tomorrow Tuesday anytime after 3:00 PM MT, or anytime Wed. – Fri.

---

**From:** Way, Steven [<mailto:way.steven@epa.gov>]

**Sent:** Monday, February 03, 2014 3:14 PM

**To:** Brown, Anthony R (RM)

**Cc:** Piggott, Amelia; Christner, Jan; Kreutz, Tom (AECOM - ENSR)

**Subject:** FW: Request to Modify Permanent Drying Facility Final Design Schedule - Rico-Argentine Mine Site

Hello Tony,

In response to the attached request to have the Permanent Drying Facility Design completion date postponed, I agree that a date in 2015 corresponding to the final water treatment system design is appropriate. However, this does not necessarily resolve the need to operate a temporary drying cell for remaining solids yet to be removed from the ponds. We will establish a date to complete the design and construction of the Permanent (Solids) Drying Facility in the modified schedule that you are now reviewing. As such, the existing deliverable date of January 31, 2015 is delayed pending that decision.

Please let me know what dates and times this week that are convenient to discuss the schedule modification.

Sincerely,  
Steve

Federal On-Scene Coordinator  
Emergency Response Program (8EPR-ER)  
US EPA Region 8  
1595 Wynkoop Street  
Denver, CO 80202-1129

Office: 303-312-6723

---

**From:** Kreutz, Thomas [<mailto:Thomas.Kreutz@aecom.com>]

**Sent:** Monday, January 27, 2014 3:23 PM

**To:** Way, Steven

**Cc:** Anthony R (RM) Brown ([anthony.brown@bp.com](mailto:anthony.brown@bp.com)); 'Halsey, Ronald H' ([ronald.halsey@bp.com](mailto:ronald.halsey@bp.com)); Moore, Terry J ([Terry.Moore@bp.com](mailto:Terry.Moore@bp.com)); Harris, Cord ([Cord.Harris@bp.com](mailto:Cord.Harris@bp.com)); 'Chris Sanchez' ([csanchez@andersoneng.com](mailto:csanchez@andersoneng.com)); 'Dave McCarthy' ([dave.mccarthy@copperenv.com](mailto:dave.mccarthy@copperenv.com)); Yadon, Douglas; Decker, Jean; Christner, Jan ([Jan.Christner@WestonSolutions.com](mailto:Jan.Christner@WestonSolutions.com)); 'Sandy Riese' ([sriese@ensci-inc.com](mailto:sriese@ensci-inc.com)); Cohen, Adam ([Adam.Cohen@dgslaw.com](mailto:Adam.Cohen@dgslaw.com)); Duffy, William ([William.Duffy@dgslaw.com](mailto:William.Duffy@dgslaw.com)); D'cruz, Sheila (BELCAN) ([Sheila.Dcruz@bp.com](mailto:Sheila.Dcruz@bp.com)); Piggott, Amelia; 'Lombardi, Marc' ([Marc.Lombardi@amec.com](mailto:Marc.Lombardi@amec.com)); Archer, Spencer ([Spencer.Archer@amec.com](mailto:Spencer.Archer@amec.com)); Jerry Johnson

**Subject:** Request to Modify Permanent Drying Facility Final Design Schedule - Rico-Argentine Mine Site

Mr. Way

On behalf of Mr. Tony Brown/Atlantic Richfield Company, please find attached a request to modify the design schedule for the Permanent Drying Facility at the Rico-Argentine Mine Site – Rico Tunnels Operable Unit OU01 Rico, Colorado.

Please contact Mr. Brown if you have any questions regarding this request.

Thomas Kreutz, P.E.

Senior Project Manager

Environment

D: 303.228.3056 M: 303.854.8287

[thomas.kreutz@aecom.com](mailto:thomas.kreutz@aecom.com)

**AECOM**

717 17th Street, Suite 2600

Denver, CO 80202

T 303.228.3000 F 303.228.3001

[www.aecom.com](http://www.aecom.com)